



Split Type Air Conditioners

Cooling Only [50 Hz] **R-410A**



RN25H

RN35H

RN50H

RN60H

Everywhere with You



Always around Us

They are always there, just like air. We believe air conditioners should have simple designs that merge smoothly with our daily lives. Daikin's subtle flat panel design blends seamlessly into any room interior.





FTN25/35H



FTN50/60H

High Energy Savings

The 2.5 to 5.0 kW models deliver a high COP of 3.40 or more. This makes these models particularly appropriate for situations requiring long periods of operation.

► See page 4.

Sophisticated Appearance with Flat Panel

The series' simple and stylish flat panel design harmonises with any interior decor.

► See pages 3 and 5.

Quiet Operation

The series offers low sound levels for both indoor and outdoor units. The 2.5 kW indoor unit operates at 31 dB (A).

► See page 5.

Cleanliness

All units offer a range of clean features, including Air-Purifying Filter with Photocatalytic Deodorising Function and Wipe-Clean Flat Panel.

► See page 5.

A Refreshingly Simple Design

The stylish flat panel design creates a simplicity and sophistication that enhances any interior space. All models from providing a smooth, unified finish in every room in a home.



**New
Model**

FTN25/35H



FTN25HV1G / RN25HV1G

2.62 kW 8,900 Btu/h

FTN35HV1G / RN35HV1G

3.7 kW 12,700 Btu/h



**New
Model**

FTN50/60H



RN50H

RN60H

FTN50HV1G / RN50HV1G

5.3 kW 18,090 Btu/h

FTN60HV1G / RN60HV1G

6.7 kW 22,860 Btu/h

2.5 to 6.0 kW feature the sleek flat panel design,

All Models Earn 3 Ticks

The 2.5 to 5.0 kW models provide a high COP of 3.40 or more. All models have received Singapore's 3 Tick Energy Label, which is the highest energy-efficiency rating for non-inverter type air conditioners.

	FTN25HV1G	FTN35HV1G	FTN50HV1G	FTN60HV1G
COP	3.42	3.45	3.40	3.27

What is COP?

An air conditioner's COP (Coefficient of Performance) indicates how efficiently the unit uses energy. A higher COP means greater energy efficiency. It also means lower electricity consumption, so you save money.

$$COP = \frac{\text{Capacity (W)}}{\text{Power consumption (W)}}$$

What Is Energy Labeling?

This scheme was introduced by Singapore's Ministry for the Environment and Water Resources. Under the scheme, non-inverter type air conditioners with a cooling capacity of less than 17.6 kW must carry labels to indicate their energy-saving rating. This allows households to select more energy-efficient models and so reduce their electricity bills.



RN25H



RN35H



RN50H



RN60H

Function List

Indoor unit

Functions	Models		Split Type	
	FTN 25/35H	FTN 50/60H		
Comfortable Airflow				
Power-Airflow Dual Flaps	<input checked="" type="radio"/>	<input checked="" type="radio"/>		
Wide-Angle Louvers	<input checked="" type="radio"/>	<input checked="" type="radio"/>		
Vertical Auto-Swing (up and down)	<input checked="" type="radio"/>	<input checked="" type="radio"/>		
Horizontal Auto-Swing (left and right)	<input checked="" type="radio"/>	<input checked="" type="radio"/>		
3-D Airflow	<input checked="" type="radio"/>	<input checked="" type="radio"/>		
Comfort Control				
Programme Dry Function	<input checked="" type="radio"/>	<input checked="" type="radio"/>		
Auto Fan Speed	<input checked="" type="radio"/>	<input checked="" type="radio"/>		
Lifestyle Convenience				
New Powerful Operation	<input checked="" type="radio"/>	<input checked="" type="radio"/>		
Indoor Unit On/Off Switch	<input checked="" type="radio"/>	<input checked="" type="radio"/>		
Cleanliness				
Titanium Apatite Photocatalytic Air-Purifying Filter	<input checked="" type="radio"/>	<input checked="" type="radio"/>		
Wipe-Clean Flat Panel	<input checked="" type="radio"/>	<input checked="" type="radio"/>		
Mould-Proof Air Filter	<input checked="" type="radio"/>	<input checked="" type="radio"/>		
Timers				
24-Hour On/Off Timer	<input checked="" type="radio"/>	<input checked="" type="radio"/>		
Count Up-Down On/Off Timer	<input checked="" type="radio"/>	<input checked="" type="radio"/>		
Night Set Mode	<input checked="" type="radio"/>	<input checked="" type="radio"/>		
Worry Free				
Auto-Restart after Power Failure	<input checked="" type="radio"/>	<input checked="" type="radio"/>		
Self-Diagnosis with Digital Display	<input checked="" type="radio"/>	<input checked="" type="radio"/>		

Outdoor unit

Functions	Models		RN25/35H	RN50/60H
Worry Free				
Self-Diagnosis with Digital Display	<input checked="" type="radio"/>	<input checked="" type="radio"/>		
Anticorrosion Treatment of Outdoor Heat Exchanger Fins	<input checked="" type="radio"/>	<input checked="" type="radio"/>		

Easy to Coordinate and Wide Range

Easy to Coordinate

Daikin has always focused on creating sleek, modern air conditioners that coordinate smoothly with any type of interior decor. This concept has taken a major step forward with the versatile grilleless flat panel design.

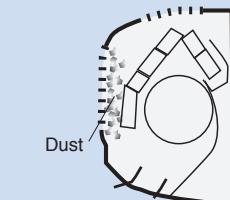


Wipe-Clean Flat Panel

 Flat panel models can be cleaned instantly with a single wipe of a cloth across their smooth surface. If more thorough cleaning is required, the panel can also be easily removed from the unit.



Conventional Front Grille Design



Front grille design units collect dust on their air inlet grilles unless these grilles are cleaned regularly.

1. Difficult to remove dust on the grille through wiping alone
2. Reduced capacity due to increased suction resistance
3. High sound levels due to increased suction resistance

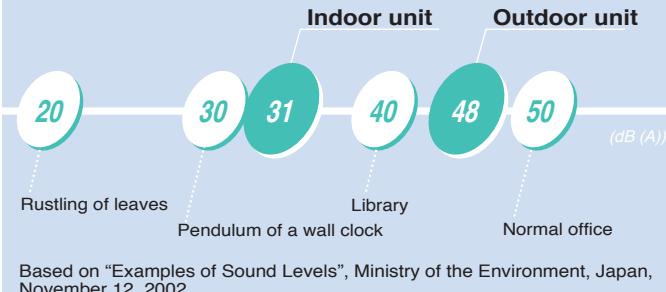
Quiet Sound Levels

FTN25H offers a low sound level of 31 dB (A) for indoor unit operation and 48 dB (A) for outdoor unit operation.

(dB (A))

Indoor unit	FTN25HV1G	FTN35HV1G	FTN50HV1G	FTN60HV1G
Sound levels (L)	31	32	35	37
Outdoor unit	RN25HV1G	RN35HV1G	RN50HV1G	RN60HV1G
Sound levels	48	49	51	52

31 dB (A) Is So Quiet You Can Even Hear Whispers



Titanium Apatite Photocatalytic Air-Purifying Filter



Titanium apatite is a new photocatalytic material with advanced adsorption power.

While the filter's micron-level fibres trap dust, this photocatalyst effectively adsorbs and decomposes bacteria. The photocatalyst is activated simply by exposure to light. The filter delivers consistent performance for approximately 3 years if periodic maintenance is performed.



KAF970A46

Bacteria removal test

Testing method: Dropping method

Testing organisation: Japan Spinners Inspecting Foundation

Result certificate: No. 012553-1 and 012553-2

This filter is not a medical device. Benefits such as the adsorption and decomposition of bacteria are only effective for substances that are collected on and in direct contact with the Titanium Apatite Photocatalytic Air-Purifying Filter.

Titanium Apatite Photocatalytic Air-Purifying Filter



of Airflow Functions

Power-Airflow Dual Flaps



Power-Airflow Dual Flaps can flatten out during cooling operation to deliver cool air to the corners of a room.



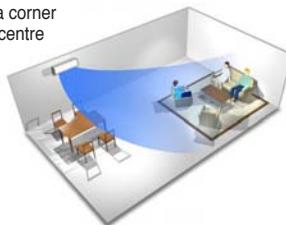
Cool air slides off to reach the corner of the room.

Wide-Angle Louvers

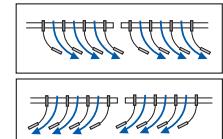


The smoothly curved Wide-Angle Louvers provide wide airflow coverage for effective cooling operation no matter where the indoor unit is placed in a room. The louvers can be adjusted by hand.

From a corner to the centre



WIDE ANGLE



Vertical Auto-Swing (up and down)



This function automatically moves the flaps up and down to distribute air across a room. When the air conditioner is turned off, the flaps shut automatically so that dust can not enter.

Covers even a spacious room

Horizontal Auto-Swing (left and right)



Horizontal Auto-Swing automatically moves the louvres to the left and right to cover a room with cool air. This function is available with FTN50/60H only.



3-D Airflow



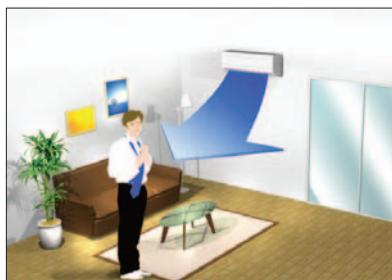
Vertical Auto-Swing automatically moves the flaps up and down and Horizontal Auto-Swing automatically moves the louvres to the left and right. 3-D Airflow combines Vertical and Horizontal Auto-Swing to circulate air to every part of a room for uniform cooling of even large spaces. 3-D Airflow is available for FTN50/60H.

New Powerful Operation



New Powerful Operation boosts airflow to maximum volume for a 20-minute period.

After this, the unit automatically returns to its previous settings. This function is activated by pushing the POWERFUL button on the remote controller. So, for example, now when you come home on a hot day, a powerful airflow will always be right at your fingertips.

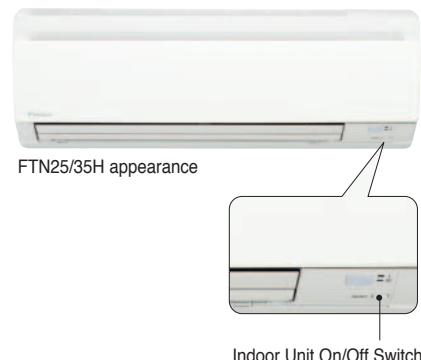


High Operational Reliability

Indoor Unit On/Off Switch



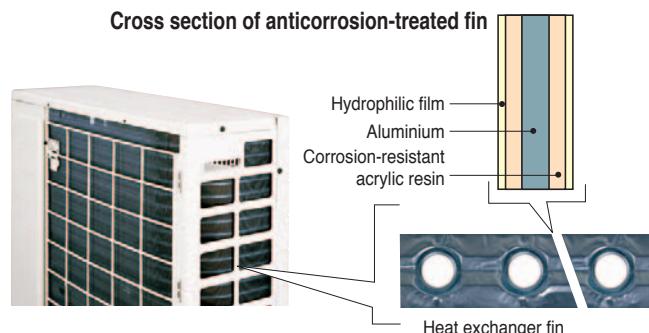
The unit can be conveniently started manually in the event the wireless remote controller is misplaced or the wireless remote controller batteries are not charged.



Anticorrosion Treatment of Outdoor Heat Exchanger Fins



The outdoor unit's heat exchanger fins are processed using a special anticorrosion treatment. The surface is covered with a thin acrylic resin layer to enhance the fins' resistance to acid rain and salt corrosion. A hydrophilic film layer also prevents rust caused by the run off of water droplets. Additional durability is provided by a rustproof steel sheet on the bottom of the unit.



Self-Diagnosis with Digital Display



Malfunction codes are shown on the digital display panel of the wireless remote controller for fast and easy maintenance.

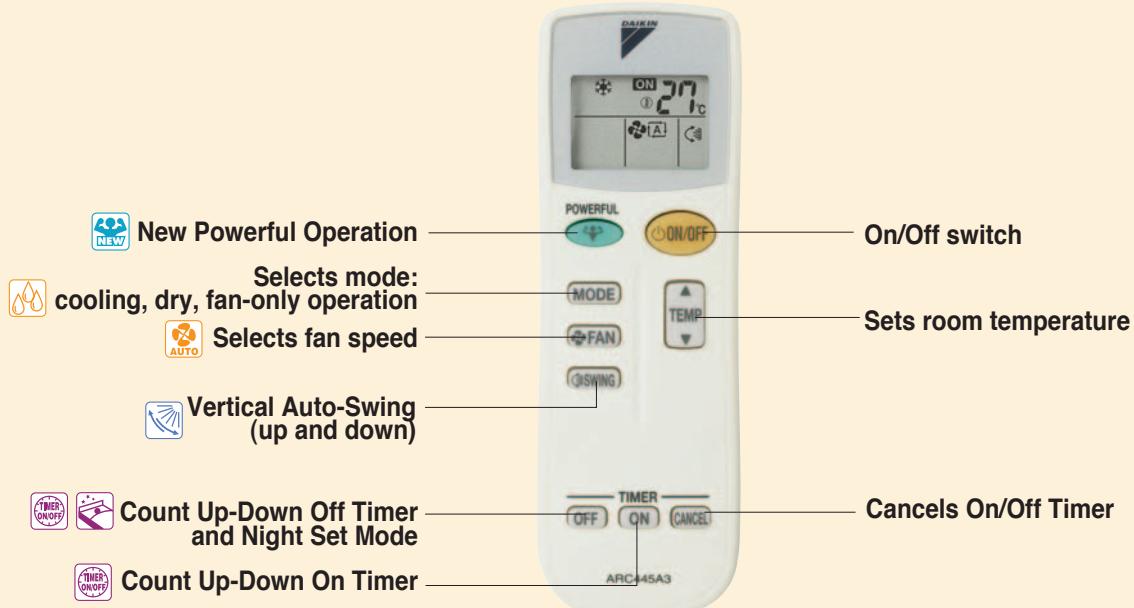
Long piping length for flexible unit placement

FTN50/60H supports a piping length of up to 30 metres to give flexibility during unit installation. This allows the outdoor unit to be placed on a balcony or where it can not be seen. Indoor units can also be installed where they do not compromise the decor of a room.

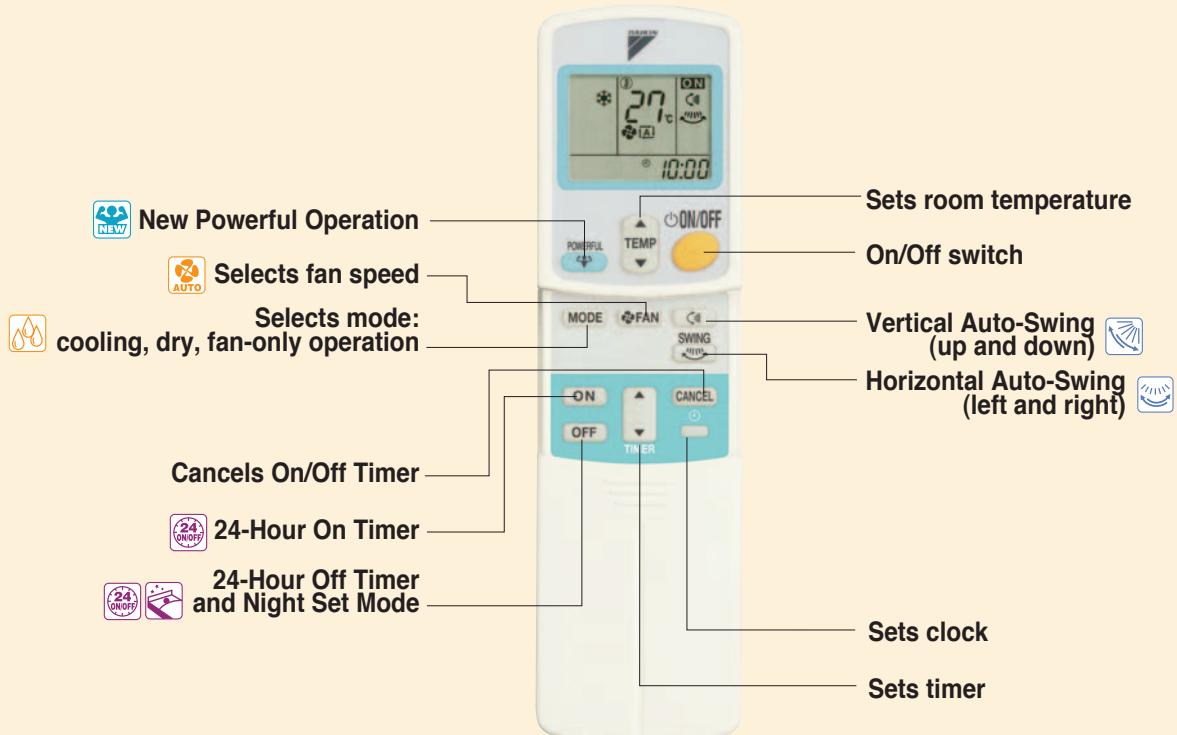
	Max. piping length	Max. height difference
FTN25HV1G / RN25HV1G	25 m	15 m
FTN35HV1G / RN35HV1G		
FTN50HV1G / RN50HV1G	30 m	20 m
FTN60HV1G / RN60HV1G		

Easy-to-use wireless remote controller

Wireless remote controller for FTN25/35H



Wireless remote controller for FTN50/60H



Comfortable Airflow



Power-Airflow Dual Flaps

Power-Airflow Dual Flaps can flatten out during cooling operation to deliver cool air to the corners of a room.

► See page 6



Wide-Angle Louvers

The smoothly curved Wide-Angle Louvers provide wide airflow coverage for effective cooling operation no matter where the indoor unit is placed in a room.

► See page 6



Vertical Auto-Swing (up and down)

This function automatically moves the flaps up and down to distribute air across a room.

► See page 6



Horizontal Auto-Swing (left and right)

Horizontal Auto-Swing automatically moves the louvres to the left and right to cover a room with cool air.

► See page 6



3-D Airflow

This function combines Vertical and Horizontal Auto-Swing to circulate a cloud of cool air right to the corners of even large spaces.

► See page 6

Lifestyle Convenience



New Powerful Operation

New Powerful Operation boosts airflow to maximum volume for a 20-minute period. After this, the unit automatically returns to its previous settings.

► See page 6



Indoor Unit On/Off Switch

The unit can be conveniently started manually in the event the wireless remote controller is misplaced or the wireless remote controller batteries are not charged.

► See page 7

Cleanliness



Titanium Apatite Photocatalytic Air-Purifying Filter

This filter contains the new photocatalytic material titanium apatite. While the filter's micron-level fibres trap dust, this photocatalyst adsorbs and decomposes bacteria. The filter can be used for up to 3 years with proper maintenance.

► See page 5



Wipe-Clean Flat Panel

The flat panel models can be cleaned with only the single pass of a cloth across their smooth surface. The flat panel can also be easily removed for more thorough cleaning.

► See page 5



Mould-Proof Air Filter

The air filter is finished with a coating that suppresses the growth of mould on its surface.

Comfort Control



Programme Dry Function

This function automatically reduces the level of humidity.



Auto Fan Speed

The microprocessor automatically controls fan speed to adjust the room temperature to the set temperature.

Timers



24-Hour On/Off Timer

This timer can be preset to start and stop at any time within a 24-hour period. The air conditioner is started/ stopped simply by pressing the On/Off timer button on the wireless remote controller.



Count Up-Down On/Off Timer

This timer function allows you to set an off time (up to 9 hours later) and on time (up to 12 hours later) by simply pressing the Timer On/Off button on the remote controller.



Night Set Mode

Pressing the Off timer button automatically selects Night Set Mode. This function prevents excessive cooling for your pleasant sleep. Room temperature is raised by 0.5 °C after 60 minutes.

Worry Free



Auto-Restart after Power Failure

The air conditioner memorises the settings for mode, airflow, temperature, etc., and automatically returns to them when power is restored after a power failure.



Self-Diagnosis with Digital Display

Malfunction codes are shown on the digital display panel of the wireless remote controller for fast and easy maintenance.

► See page 7



Anticorrosion Treatment of Outdoor Heat Exchanger Fins

The outdoor unit's heat exchanger fins are processed using a special anticorrosion treatment. The surface is covered with a thin acrylic resin layer to enhance the fins' resistance to acid rain and salt corrosion.

► See page 7

Specifications

Model name	Indoor unit	FTN25HV1G	FTN35HV1G	FTN50HV1G	FTN60HV1G
	Outdoor unit	RN25HV1G	RN35HV1G	RN50HV1G	RN60HV1G
Capacity	kW	2.62	3.7	5.3	6.7
	Btu/h	8,900	12,700	18,090	22,860
Power supply			1 phase, 230 V, 50 Hz		
Running current	A	3.4	4.8	7.0	9.2
Power consumption	W	765	1,072	1,560	2,050
COP	W/W	3.42	3.45	3.40	3.27
Indoor unit		FTN25HV1G	FTN35HV1G	FTN50HV1G	FTN60HV1G
Front panel colour			White		
Airflow rate (H)	m³/min	9.9	10.1	17.5	18.5
	cfm	349	357	618	653
Fan speed			5 steps and automatic		
Sound levels (H/L)	dB (A)	37/31	39/32	45/35	47/37
Dimensions (H x W x D)	mm	283 x 800 x 195		290 x 1,050 x 238	
Machine weight	kg		9		12
Outdoor unit		RN25HV1G	RN35HV1G	RN50HV1G	RN60HV1G
Casing colour			Ivory white		
Compressor	Type		Hermetically sealed rotary type		
	Motor output	W	650	870	1,300
Refrigerant charge (R-410A)	kg	0.65	1.1	1.6	2.0
Sound levels	dB (A)	48	49	51	52
Dimensions (H x W x D)	mm	550 x 765 x 285		735 x 825 x 300	770 x 900 x 320
Machine weight	kg	32	37	48	63
Operation range	°CDB		19.4 to 46		
Piping connections	Liquid	mm	ø9.5	ø12.7	ø15.9
	Gas				
	Drain			ø18.0	
Max. piping length	m		25		30
Max. height difference			15		20

Measurement conditions

1. Cooling capacity is based on: indoor temp. 27 °CDB, 19 °CWB; outdoor temp. 35 °CDB; piping length 7.5 m.
2. Sound levels are based on the temperature conditions in 1. above. These are anechoic conversion values. These values are normally somewhat higher during actual operation as a result of ambient conditions.

Options

Indoor unit

No.	Item	FTN25/35H	FTN50/60H
1	5-room centralised controller	*1	KRC72
2	Wiring adaptor for time clock/remote controller (Normal open pulse contact/normal open contact)	*2	KRP413AB1S
3	Titanium Apatite Photocatalytic Air-Purifying Filter	*3	KAF970A46
4	Remote controller loss prevention with chain		KKF917A4

Notes: *1. A wiring adaptor (KRP413AB1S) is also required for each indoor unit.

*2. The time clocks and other devices should be obtained locally.

*3. The air-purifying filter with photocatalytic deodourising function is a standard accessory. The filter should be replaced after approximately 3 years.



5-room centralised controller
KRC72



Titanium Apatite Photocatalytic Air-Purifying Filter
KAF970A46



Remote controller loss prevention with chain
KKF917A4

Outdoor unit

No.	Kit name	RN25/35H	RN50/60H
1	Air direction adjustment grille		KRW937A4
2	Drain plug	*1	KKP937A4

Note: *1. One set includes 5 pieces for 5 units.

Warning



- Daikin products are manufactured for export to numerous countries throughout the world. Prior to purchase, please confirm with your local authorised importer, distributor and/or retailer whether this product conforms to the applicable standards, and is suitable for use, in the region where the product will be used. This statement does not purport to exclude, restrict or modify the application of any local legislation.
- Ask a qualified installer or contractor to install this product. Do not try to install the product yourself. Improper installation can result in water or refrigerant leakage, electrical shock, fire or explosion.
- Use only those parts and accessories supplied or specified by Daikin. Ask a qualified installer or contractor to install those parts and accessories. Use of unauthorised parts and accessories or improper installation of parts and accessories can result in water or refrigerant leakage, electrical shock, fire or explosion.
- Read the User's Manual carefully before using this product. The User's Manual provides important safety instructions and warnings. Be sure to follow these instructions and warnings.

If you have any enquiries, please contact your local importer, distributor and/or retailer.

Cautions on product corrosion

1. Air conditioners should not be installed in areas where corrosive gases, such as acid gas or alkaline gas, are produced.
2. If the outdoor unit is to be installed close to the sea shore, direct exposure to the sea breeze should be avoided. If you need to install the outdoor unit close to the sea shore, contact your local distributor.



JMI-0107

Organization:
DAIKIN INDUSTRIES, LTD.
AIR CONDITIONING MANUFACTURING DIVISION

Scope of Registration:
THE DESIGN/DEVELOPMENT AND MANUFACTURE OF COMMERCIAL AIR CONDITIONING, HEATING, COOLING, REFRIGERATING EQUIPMENT, COMMERCIAL HEATING EQUIPMENT, RESIDENTIAL AIR CONDITIONING EQUIPMENT, HEAT RECLAIM VENTILATION, AIR CLEANING EQUIPMENT, MARINE TYPE CONTAINER REFRIGERATION UNITS, COMPRESSORS AND VALVES.



JQA-1452

Organization:
DAIKIN INDUSTRIES (THAILAND) LTD.

Scope of Registration:
THE DESIGN/DEVELOPMENT AND MANUFACTURE OF AIR CONDITIONERS AND THE COMPONENTS INCLUDING COMPRESSORS USED FOR THEM



EC99J2044

All of the Daikin Group's business facilities and subsidiaries in Japan are certified under the ISO 14001 international standard for environment management.

Dealer

DAIKIN INDUSTRIES, LTD.

Head Office:
Umeda Center Bldg., 2-4-12, Nakazaki-Nishi, Kita-ku, Osaka, 530-8323 Japan

Tokyo Office:
JR Shinagawa East Bldg., 2-18-1, Konan, Minato-ku, Tokyo, 108-0075 Japan

http://www.daikin.com/global_ac/

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